

U.S. Patent Application Serial No. 09/810,844
Reply to Office Action dated August 25, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Claims 3-8 are amended.

Claims 1-2 and 14 are cancelled.

Claims 15-18 are new.

Listing of Claims:

1. (Cancelled)
2. (Cancelled)
3. (Currently Amended) A fingerprint hard disk comprising: according to claim 1,

a fingerprint identifier for identifying whether the user's fingerprint is qualified and comprising a control interface, a control signal will be issued by said control interface according to the identification result of the fingerprint identifier; and

a hard disk comprising a hard disk body and a hard disk control device which is used to receive said control signal issued by said control interface of said fingerprint identifier to control the operation state of said hard disk body,

wherein said hard disk control device is an electric controlled switch; and said hard disk further comprises a power supply interface and a signal interface; wherein said control interface

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of said fingerprint identifier and said power supply interface of said hard disk both are connected with the hard disk body through said electric controlled switch.

4. (Currently Amended) A fingerprint hard disk ~~according to claim 1~~, comprising:

a fingerprint identifier for identifying whether the user's fingerprint is qualified; and comprising a control interface, a control signal will be issued by said control interface according to the identification result of the fingerprint identifier; and

a hard disk comprising a hard disk body and a hard disk control device which is used to receive said control signal issued by said control interface of said fingerprint identifier to control the operation state of said hard disk body.

wherein said hard disk control device is a electric controlled switch; and said hard disk further comprises a power supply interface and a signal interface; wherein said control interface of said fingerprint identifier and said ~~power supply signal~~ interface of said hard disk both are connected with the hard disk body through said electric controlled switch.

5. (Currently Amended) A fingerprint hard disk ~~according to claim 1~~, comprising:

a fingerprint identifier for identifying whether the user's fingerprint is qualified and comprising a control interface, a control signal will be issued by said control interface according to the identification result of the fingerprint identifier; and

a hard disk comprising a hard disk body and a hard disk control device which is used to receive said control signal issued by said control interface of said fingerprint identifier to control the operation state of said hard disk body.

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wherein said hard disk control device is a electric controlled switch; and said hard disk body further comprises a disk cavity and a control board; wherein said disk cavity is connected with the control board through a magnetic head signal wire, a step motor control wire, and a rotary motor control wire; said control interface of the fingerprint identifier is connected to said magnetic head signal wire through said electric controlled switch.

6. (Currently Amended) A fingerprint hard disk comprising: according to claim 1,

a fingerprint identifier for identifying whether the user's fingerprint is qualified and comprising a control interface, a control signal will be issued by said control interface according to the identification result of the fingerprint identifier; and

a hard disk comprising a hard disk body and a hard disk control device which is used to receive said control signal issued by said control interface of said fingerprint identifier to control the operation state of said hard disk body,

wherein said hard disk control device is a electric controlled switch; and said hard disk body further comprises a disk cavity and a control board; wherein said disk cavity is connected with the control board through a magnetic head signal wire, a step motor control wire, and a rotary motor control wire; said control interface of the fingerprint identifier is connected to said step motor control wire through said electric controlled switch.

7. (Currently Amended) A fingerprint hard disk comprising: according to claim 1,

a fingerprint identifier for identifying whether the user's fingerprint is qualified and comprising a control interface, a control signal will be issued by said control interface according to the identification result of the fingerprint identifier; and

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a hard disk comprising a hard disk body and a hard disk control device which is used to receive said control signal issued by said control interface of said fingerprint identifier to control the operation state of said hard disk body.

wherein said hard disk control device is a electric controlled switch; and said hard disk body further comprises a disk cavity and a control board; wherein said disk cavity is connected with the control board through a magnetic head signal wire, a step motor control wire, and a rotation motor control wire; said control interface of the fingerprint identifier is connected to said rotation motor control wire through said electric controlled switch.

8. (Currently Amended) A fingerprint hard disk according to claim [[1]] 3, wherein a control board is placed respectively inside each of said fingerprint identifier and said hard disk, and a ~~microprocessor~~ microprocessor, a interface circuit, and a RAM are shared commonly by both control board; and whether to enable the hard disk control procedure running by the hard disk control device is determined by the fingerprint identification procedure implemented by the fingerprint identifier on the basis of the identification result, or whether to enable the operation of the hard disk will be determined by the hard disk control procedure operated by the hard disk control device on the basis of the decision result of the fingerprint identification procedure.

9. (Original) A fingerprint hard disk according to claim 3, wherein

said electric controlled switch is a relay or an electronic switch.

10. (Original) A fingerprint hard disk according to claim 4, wherein

said electric controlled switch is a relay or an electronic switch.

11. (Original) A fingerprint hard disk according to claim 5, wherein said electric controlled switch is a relay or an electronic switch.

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12. (Original) A fingerprint hard disk according to claim 6, wherein said electric controlled switch is a relay or an electronic switch.

13. (Original) A fingerprint hard disk according to claim 7, wherein said electric controlled switch is a relay or an electronic switch.

14. (Cancelled)

15. (New) A fingerprint hard disk according to claim 4, wherein

a control board is placed respectively inside each of said fingerprint identifier and said hard disk, and a microprocessor, a interface unit, and a RAM are shared commonly by both control board; and whether to enable the hard disk control procedure running by the hard disk control device is determined by the fingerprint identification procedure implemented by the fingerprint identifier on the basis of the identification result, or whether to enable the operation of the hard disk will be determined by the hard disk control procedure operated by the hard disk control device on the basis of the decision result of the fingerprint identification procedure.

16. (New) A fingerprint hard disk according to claim 5, wherein

a control board is placed respectively inside each of said fingerprint identifier and said hard disk, and a microprocessor, a interface unit, and a RAM are shared commonly by both control board; and whether to enable the hard disk control procedure running by the hard disk control device is determined by the fingerprint identification procedure implemented by the fingerprint identifier on the basis of the identification result, or whether to enable the operation of the hard disk will be determined by the hard disk control procedure operated by the hard disk control device on the basis of the decision result of the fingerprint identification procedure.

17. (New) A fingerprint hard disk according to claim 6, wherein

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a control board is placed respectively inside each of said fingerprint identifier and said hard disk, and a microprocessor, a interface unit, and a RAM are shared commonly by both control board; and whether to enable the hard disk control procedure running by the hard disk control device is determined by the fingerprint identification procedure implemented by the fingerprint identifier on the basis of the identification result, or whether to enable the operation of the hard disk will be determined by the hard disk control procedure operated by the hard disk control device on the basis of the decision result of the fingerprint identification procedure.

18. (New) A fingerprint hard disk according to claim 7, wherein

a control board is placed respectively inside each of said fingerprint identifier and said hard disk, and a microprocessor, a interface unit, and a RAM are shared commonly by both control board; and whether to enable the hard disk control procedure running by the hard disk control device is determined by the fingerprint identification procedure implemented by the fingerprint identifier on the basis of the identification result, or whether to enable the operation of the hard disk will be determined by the hard disk control procedure operated by the hard disk control device on the basis of the decision result of the fingerprint identification procedure.